No.



9100164

THE UNITED STATES OF ANTERIOA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

Pioneer Gi-Bred International, Inc.

Concreas. There has been presented to the

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED NOVEL VARIETY OF SEXUALLY REPRODUCED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF eighteen years from the date of this grant, subject to the payment of the required fees and periodic replenishment of viable basic seed of the variety in a public repository as provided by LAW, the right to exclude others from selling the variety, or offering it for sale, or reproducing it, importing it, or exporting it, or using it in producing a hybrid or different ty therefrom, to the extent provided by the Plant Variety Protection Act 1542, As Amended, 7 U.S.C. 2321 et seq.)

WHEAT

'2510'

In Lestimony Winexcot, I have hereunto set my hand and caused the seal of the Plant Variety Protection Office to be affixed at the City of Washington, D.C. this 28th day of May in

this 18th day of May in the year of our Lord one thousand nine hundred and ninety-three.

Attest.

Kanel Hours

Plant Variety Protection Office Agricultural Marketing Service

Secretary of Agricultises

Public reporting burden for this collection of information is estimated to average 30 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Agriculture, Clearance Office, OIRM, Room 404-W, Washington, D.C. 20250; and to the Office of Management and Budget, Paperwork Reduction Project (OMB #0581-0055), Washington, 20250.

FORM APPROVED: OMB 0581-0055, Expires 1/31/91

U.S. DEPARTMENT OF AGR AGRICULTURAL MARKETING APPLICATION FOR PLANT VARIETY (Instructions on re		Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).		
NAME OF APPLICANT(S) (as it is to appear on the Certificate)	2. TEMPORARY DESIGNATION OR		3. VARIETY NAME	
Pioneer Hi-Bred International,	EXPERIMENTAL NO. WBA082E2	ŀ	2510	
4. ADDRESS (street and no. or R.F.D. no., city, state, and ZiP)		5. PHONE (Include area c	ode)	FOR OFFICIAL USE ONLY
Dept. of Wheat Breeding	٠.		.	PVPO NUMBER
R.R. 1 Box 297A				01001/4
Windfall, IN 46076		(317) 945-	7906	9100164
		, ,		Date Date
6. GENUS AND SPECIES NAME 7.	GENUS AND SPECIES NAME 7. FAMILY NAME (Botanical)			Ting
Triticum aestivum	gramine	ae /		G
8. CROP KIND NAME (Common Name)		DATE OF DETERMINATION		F Filing and Examination Fee:
Wheat		:	000	E \$2,150.
10. IF THE APPLICANT NAMED IS NOT A "PERSON," GIVE FORM OF ORGANIZA	- TION 10	August 1, 1	909	S Date
Corporation	ATION (Corporation, part	nership, association, etc.)	l	R Upril 13,1771
				C Centificate Fee:
11. IF INCORPORATED, GIVE STATE OF INCORPORATION	12. DA	TE OF INCORPORATION		V Date
Iowa	İ	May, 1926	Ì	5 apr 201993
Dr. Gregory C. Marshall Pioneer Hi-Bred International, R.R. 1 Box 297A Windfall, IN 46076 14. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED (Follow II) a. Exhibit A, Origin and Breeding History of the Variety. b. Exhibit B, Novelty Statement. c. Exhibit C, Objective Description of Variety. d. Exhibit D, Additional Description of Variety. e. Exhibit E, Statement of the Basis of Applicant's Ownership. I. Seed Sample (2,500 viable untreated seeds). Date Seed Sam g. Filing and Examination Fee (\$2,150) made payable to "Treation Act.) 15. DOES THE APPLICANT(S) SPECIFY THAT SEED OF THIS VARIETY BE SOLD E Protection Act.) 16. DOES THE APPLICANT(S) SPECIFY THAT THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS? 16. DOES THE APPLICANT(S) PREVIOUSLY FILE FOR PROTECTION OF THE VARIETY BE.	mple mailed to Plant V surer of the United Sta BY VARIETY NAME ONLY 17: IF "YES" TO	ariety Protection Office Ites." AS A CLASS OF CERTIFIED)," skip to item 18 below)	4/10/9 SEED? (See	section 83(a) of the Plant Variety
YES (If "YES," through Plant Variety Protection Act NO	Pateni Act. Give date			
19. HAS THE VARIETY BEEN RELEASED, USED, OFFERED FOR SALE, OR MARK	KETED IN THE U.S. OR O	THER COUNTRIES?		
YES (II "YES," give names of countries and dates) NO				
20. The applicant(s) declare(s) that a viable sample of basic seeds request in accordance with such regulations as may be applical The undersigned applicant(s) is (are) the owner(s) of this sex	ble.			••
uniform, and stable as required in section 41, and is entitled to	protection under th	e provisions of section 4	l2 of the Pla	ant Variety Protection Act.
Applicant(s) is (are) informed that false representation herein	can jeopardize prote	cuon and result in pena	uties.	
SIGNATURE OF APPLICANT (OWNER(S)) SIGNATURE OF APPLICANT (OWNER(S))	Capacity or Ti Coordina Winter a	tor of Soft L	?ed	4/10/9/
SIGNATURE OF ATTEMAN (OWNER(S))	CAPACITY OR TI	TIE U		DATE
4				1

14A. Exhibit A. Origin and Breeding History of Pioneer Wheat Cultivar 2510.

Pioneer cultivar 2510, <u>Triticum aestivum L.</u>, em Thell., a soft red winter wheat was developed by Pioneer Hi-Bred International, Inc. from the four parent cross: 'Aurora'/Pioneer line 'W689D-2'//Pioneer cultivar '2553'/'Caldwell'. Aurora is a hard red winter wheat from Russia which has the 1BL/1RS translocation. Pioneer line W689D-2 is an F₇ generation selection from the same bulk which became Pioneer cultivar '2550'. Pioneer cultivar 2553 is a soft red winter wheat developed and released by Pioneer Hi-Bred International in 1982. Caldwell is a soft red winter wheat developed and released by Purdue University in 1981.

The two single crosses: Aurora/W689D-2 (designated 'WBZ420') and 2553/Caldwell (designated 'WBZ559') were made in the fall 1979 greenhouse cycle. The final cross: WBZ420/WBZ559 was made in the fall 1980 greenhouse cycle and coded 'WBA082'. The F_1 was grown in the 1981 transplant nursery at Windfall, IN. The F_2 was grown in plots at Ft. Branch and Windfall, IN in 1982 and 200 heads were harvested from the Windfall plot. The F_2 heads were individually threshed and planted as F_3 headrows in the fall of 1982. For each of the F_4 - F_6 generations, eight heads were selected from desirable rows and four headrows were grown at each of two locations. In 1986, one F_6 headrow was harvested in bulk at Windfall for entry into preliminary yield testing. It was designated 'WBA082E2'. Beginning in 1987, WBA082E2 has been

evaluated for grain yield, agronomic traits, disease reaction, milling, and baking properties. In 1988, 200 heads were harvested and individually threshed to be planted as purification headrows within a 0.2 acre bulk increase at Windfall, IN. Offtype headrows were destroyed prior to harvest and each row harvested separately. The bulk increase was rogued for offtype plants. The seed from individual headrows and the bulk increase were turned over to Pioneer's Parent Cereal Seed group for further increase. The bulk seed constitutes breeder seed.

WBA082E2 was designated 'YW593' and 'XW593' after the 1989 and 1990 harvests, respectively.

2510 has shown uniformity and stability for all traits described in Exhibit C of this application.

14B. Novelty Statement

2510 is most similar to Pioneer cultivar 2550. One parent of 2510 is an F_{γ} selection from the bulk which became 2550 so the resemblence between the two could be expected. Despite their similarities, there are several distinct differences between 2510 and 2550. The grain yield of 2510 is about 16% greater than that of 2550 (Table 1). The test weight of 2510 averages one pound heavier than that of 2550 (Table 1). 2510, on average, heads three days later and is 2 cm shorter than 2550. The straw of 2510 is significantly stronger than that of 2550 (Table 1). leaf and stem rust, fungal leaf blight, and powdery mildew resistance of 2510 are significantly greater than those of 2550. The flag leaf of 2510 is erect and twisted at boot stage while that of 2550 is recurved and not twisted. The head of 2510 is dense while that of 2550 is lax. The glumes of 2510 are medium length while those of 2550 are long. The kernels of 2510 are shorter and wider than those of 2550.

U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE LIVESTOCK AND SEED DIVISION BELTSVILLE, MARYLAND 20705

EXHIBIT C

OBJECTIVE DESCRIPTION OF VARIETY

INSTRUCTIONS: See Reverse. WHEAT (TRITICUM SPP.)	·
NAME OF APPLICANTIS	FOR OFFICIAL USE ONLY
Pioneer Hi-Bred International, Inc	9100164
Dept. of Wheat Breeding	DESIGNATION
R.R. 1 Box 297A Windfall, IN 46076	2510
Place the appropriate number that describes the varietal character of this variety Place a zero in first box (c-s- 0 8 9 or 0 9) when number is either 99 or le	in the boxes below.
1. KIND,	
1 = COMMON 2 = DURUM 3 = EMMER 4 = SPELT 5 = POLISH 6 =	POULARO 7 = CLUB
2. TYPE,	3 = OTHER (Specify)
2 I = SPRING 2 = WINTER 3 = OTHER (Specify) 1 2 = HARD	
2 1 = WHITE 2 = RED 3 = OTHER (Specify)	
3. SEASON - NUMBER OF DAYS FROM EMERGENCE TO:	
2 2 8 FIRST FLOWERING 2 3 5	LAST FLOWERING
4. MATURITY (50% Flowering):	•
HO. OF DAY'S EARLIER THAN	HUR 2 = SCOUT 3 = CHRIS
0 5 NO. OF DAYS LATER THAN	HI 5 = NUGAINES 6 = LEEDS
5. PLANT HEIGHT (From sell level to top of head):	
0 9 . 5 cm. High	
CM. TALLER THAN	
0 4 CM. SHORTER THAN	A LEEDS
6. PLANT COLOR AT BOOTING (See reverse): 7. ANTHER COL	*** . *
2 1 = YELLOW GREEN 2 = GREEN 3 = BLUE GREEN 1 = YELLO	W 2 = PURPLE
8. STEM	
1 Anthocyanin: 1 = ABSENT 2 = PRESENT 1 Vary bloom	: I = ABSENT 2 = PRESENT
2 Hairiness of last internode of rachis: 1 = ABSENT 2 = PRESENT 1 Internodes:	1 = HOLLOW 2 = SOLID
	ITERNODE LENGTH BETWEEN FLAG LEAF LEAF BELOW
P. AURICLES:	
1 Anthocyania: 1 = ABSENT 2 = PRESENT 2 Hairiness:	1 = ABSENT 2 = PRESENT
P. LEAF:	
Flag leaf at 1 = ERECT 2 = RECURVED booting stage: 3 = OTHER (Specify): 2 Flag leaf: 1	E NOT TWISTED 2 = TWISTED
<u> </u>	of flag leaf sheath: = ABSENT 2 = PRESENT
1 4 MM. LEAF WIOTH (First leaf below flat leaf) - 2 2 CM. LE	EAF LENGTH (First lest below flag leaf):
ORM LMGS 470-6 (6-82) (Formerly Form LPGS 470-6 (3-79), which may be used)	

11. HEAD: 2 Density: 1 = LAX	2 = DENSE	Shape: 1 = TAP 4 = OTH	ERING 2 = STRAP 3 = CLAVATE ER (Specify)
Awnedness: 1 = A	WHLESS 2 = APICALLY AWHLETED	3 = AWNLETED 4 = AW	NED
2 Color at maturity:	1 = WHITE 2 = YELLOW 3 = PINK	4 = RED	
A x N 2% 2%	2 4 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2	HER (Specily):	
0 8 CM. LENGTH	. ·	1 3 мм. wіртн	
12. GLUMES AT MATUI 2 Length: 1 = SHOR 3 = LONG		3 Width: 1 = NARR	OW (CA. 3 mm.) 2 = MEDIUM (CA. 3.5 mm.) (CA. 4 mm.)
1 2 1	TING 2 = OBLIQUE 3 = ROUNDED ARE .5 = ELEVATED 6 = APICULATE	2 Вс.к: 1 = овти:	SE 2 = ACUTE 3 = ACUMINATE
13. COLEOPTILE COLO	R:	14. SEEDLING ANTHO	CYANIN:
1 1 = WHITE 2 = 1	RED 3 = PURPLE	1 1 = ABSENT	2 = PRESENT
15. JUVENILE PLANT G	ROWTH HABIT:		
3 1 = PROSTRATE	2 = SEMI-ERECT 3 = ERE	ЕСТ	
16. SEED:			
1 Shape: I = OVATE	2 = OVAL 3 = ELLIPTICAL	1 Cheek: 1 = ROUN	DED 2 = ANGULAR
2 Brush. 1 = SHORT	2 = MEDIUM 3 = LONG	1 Brush: 1 = NOT	COLLARED 2 = COLLARED
Phenol reaction (See instructions):	1 = IVORY 2 = FAWN 3 = LT. BROW 4 = BROWN 5 = BLACK		
3 Color: 1 = WHITE	2 = AMBER 3 = RED 4 = PURPLE	5 = OTHER (Specity)	·
0 6 MM. LENGTH	0 4 MM. WIDTH	3 5 GM, PER 1000	SEEDS
17. SEED CREASE:			
1 - 1	LESS OF KERNEL WINOKA	1 1 1	R LESS OF KERNEL 'SCOUT'
•	ESS OF KERNEL 'CHRIS'		R LESS OF KERNEL CHRIS
18. DISEASE: (0 = Not Tes	ted, 1 = Susceptible, 2 = Resistant)	:	
2 STEM RUST (Races)	2 LEAF RUST (Races)	O STRIPE RUST	O LOOSE SMUT
2 POWDERY MILDEW	O BUNT	2 OTHER (Specify) W	neat soilborne mosaic virus neat spindle streak mosaic
19. INSECT: (0 = Not Teen	ed, 1 = Susceptible, 2 = Resistant)		
O SAWFLY	O APHID (Bydv.)	O GREEN BUG	O CEREAL LEAF BEETLE
OTHER (Specify)	HESSIAN FLY		
· · · · · · · · · · · · · · · · · · ·	RACES:		
		0 o 1 E	0 6
20. INDICATE WHICH VARI	ETY MOST CLOSELY RESEMBLES THAT S	UBMITTED:	
CHARACTER	NAME OF VARIETY	CHARACTER	NAME OF VARIETY
Plant tillering Leaf size	2550 2548	Seed size	Cardinal
Leaf color	2548 2555	Seed shape Coleoptile elongation	Cardinal Control
Leaf carriage	Becker	Seedling pigmentation	2550
		account highestones	

INSTRUCTIONS

GENERAL: The following publications may be used as a reference aid for the standardization of terms and procedures for completing this form:

(a) L.W. Briggle and L. P. Reitz, 1963, Classification of Triticum Species and Theat Varieties Grown in the United States, Technical Bulletin 1278, United States Department of Agriculture.

(b) W.E. Walls, 1965, A Standardized Phenol Method for Testing Wheat Seeds for Varietal Purity, contribution No. 28 to the handbook of seed testing prepared by the Association of Official Seed Analysts. (See attachments)

14D. Exhibit D. Additional Description of the Variety.

Pioneer cultivar 2510 is a common soft red winter wheat,

<u>Triticum aestivum L.</u>, em Thell..

The flowering date of 2510 is about five days later than the cultivar 'Arthur'. When seeded about October 1 at Windfall, IN, 2510, on average, begins flowering May 22 or 228 days after emergence. Flowering is complete about seven days later.

2510 has averaged 95 cm in height (Table 1) about 5 cm shorter than Arthur and 2 cm shorter than 2550.

Plant color of 2510 at booting is green, similar to Pioneer cultivar '2551'. Anther color of 2510 is yellow.

Anthocyanin has not been detected in stems nor has a waxy bloom been noted in 2510. Internodes are hollow and yellow at maturity. There are normally four internodes above ground and the average distance between the flag leaf node and the one below is 19 cm. Hairs are present on the last rachis internode.

The auricles of 2510 are free of anthocyanin although hairs are present.

The flag leaf of 2510 is erect and twisted at boot stage. The leaf below the flag leaf averages 1.4 cm in width and 22 cm in length. Hairs are not present on the first leaf sheath and there is no waxy bloom on the flag leaf sheath.

Spikes of 2510 are generally apically awnletted, dense, tapering, and yellow at maturity. They average 8 cm in length and 1.3 cm in width. Spike size can vary with different plant populations and productivity levels.

14D. Exhibit D. (con't.)

The glumes of 2510 are medium length, wide and glaborous. The glume shoulder is oblique and the glume beak acute.

Coleoptile color is white and seedling anthocyanin absent in 2510. Juvenile plant growth is erect.

Kernels of 2510 are red, ovate and have rounded cheeks. The brush is medium length and is not collared. The crease is narrow and shallow. Kernels average 6 mm and 4 mm in length and width, respectively, and average 35 grams per thousand. Seed size can vary from environment to environment depending on the conditions encountered. Phenol reaction of 2510 is very dark brown similar to Pioneer cultivar 2550.

recondita f.sp. tritici) and stem rust (Puccinia graminis f.sp. tritici) in the soft red winter wheat region. Based on seedling tests with selected isolates of leaf and stem rust, 2510 is postulated to have Lr 3, 10, 26 and Sr 17, and 31. These tests were conducted by the Plant Disease Clinic at the Univ. of Minnesota in cooperation with the USDA Cereal Rust Lab. 2510 has not been tested for resistance to specific races of stripe rust (Puccinia striiformis), loose smut (Ustilago tritici), or bunt (Tilletia foetida and T. caries). 2510 has exhibited good resistance to powdery mildew (Erysiphe graminis f.sp. tritici) in the Corn Belt (Table 1). 2510 possesses the 1BL/1RS translocation from Aurora and therefore also should have

14D. Exhibit D. (con't.)

resistance genes Pm 8 and Yr 9 which are linked to that translocation.

2510 has resistance to wheat soil borne mosaic and wheat spindle streak mosaic viruses. It has moderate resistance to wheat streak mosaic virus. It has not been tested for tolerance to barley yellow dwarf virus.

Data from greenhouse screening test have indicated 2510 is susceptible to biotypes B, C, E, and L of Hessian fly. It has not been tested for resistance to biotypes GP, A, D, F, or G. It has not been tested for resistance to sawfly, greenbug, or cereal leaf beetle. Hessian fly tests were conducted by the Small Grains Insect Pest Resistance Group, Dept. of Entomology, Purdue Univ., West Lafayette, IN.

2510 has an excellent yield record when compared to other currently available soft red winter wheat cultivars. Short, strong straw provide excellent resistance to straw lodging. High levels of resistance to fungal leaf blight, rust, powdery mildew, and virus infection provide 2510 with excellent plant health.

The milling and baking properties of 2510 are very good and generally similar to most soft red winter wheat cultivars currently available.

Table 1. Performance of Pioneer cultivars 2510, 2550, 2551, and 2555 in yield trials grown in 1986-1990.

Trait	loc/exp	2510	2550	2548	2555
Grain yield (bu/a)	49	88.7	76.6**	84.8**	80.4**
Test Weight (lb/bu)	35	57.9	56.9**	57.9	56.6**
Days to 50% Flowering After Jan.1.	g 10	139.	136.**	136.**	135.**
Plant Height (cm)	13	95.	97.	93.	98.
Lodging Score	5	7.9+	6.7*	7.8	7.3
Winterhardiness	2	7.8+	7.8	7.0	5.8
Leaf Rust	7	8.4+	5.4**	7.1	7.1**
Stem Rust	2	9.0+	5.8*	8.5	5.8
Fungal Leaf Blight	5	6.4+	3.0*	3.8**	3.8**
Powdery Mildew	6	8.7+	5.3**	6.3*	5.3**
Spindle Streak Mosaid Virus	8	7.9+	7.1	4.2**	7.4*
Soil Borne Mosaic Virus [®]	4	8.6+	8.3	3.5*	8.8
Wheat Streak Mosaic Virus	3	4.0+	4.5	3.8	4.2

Yield trials were grown in eastern Kansas, Missouri, Iowa, Illinois, Indiana, Ohio, Michigan, Pennsylvania, and Maryland.

Loc/exp is an experiment grown at a location. Different experiments may have been grown at the same location.

⁺ Scale of 1-9 where 9= resistant or excellent, 1= susceptible or poor.

^e Data collected at the Univ. of Ill. Soil Borne Mosaic Virus nursery.

^{*,**} Significantly different than 2510 at the 5% and 1% levels re spectively. Individual t-tests were calculated comparing the difference between 2510 and the selected cultivars. Significance depends on the range of the differences.

Table 2. Quality test results of 2510, 2550, 2551, and 2555 from the Pioneer Wheat Quality Lab.

Year/Cultivar	Flour Yield %	Break Flour %	Flour Protein	PSI AWR	Cookie C Diameter cm
1987 (2 reps)	• .				
2510 2550 2551 2555 Ave. Check	75.1 70.8 70.2** 72.5 70.7	39.1 36.8 35.7* 40.9 39.0	9.0 - 9.6 - 10.3** - 9.2 - 9.0 -	- 53. - 54. - 53. - 52. - 53.	2 19.7 7 19.1 0* 20.3
1988 (1 rep)					
2510 2550 2551 2555 Ave.Check	71.1 68.0 66.6 69.7* 68.8	33.3 32.1 29.6 35.9 32.6	8.9 3: 9.9 3: 9.1 3:	3.2 52.2 3.2 53.2 1.4 54.1 8.0 50.6 2.4 53.3	2 19.4 19.3 19.8
1989 (2 reps)					
2510 2550 2551 2555 Ave. Check	73.4 69.2 70.5 72.4 70.3	38.3 36.3** 35.4 41.1 37.3	6.6 7.1** 8.0 6.7 7.1	- 56.2 - 55.5 - 54.0 - 53.0 - 54.6	20.8 19.7* 20.5

Grain from yield trials grown at Ft. Branch and Windfall, IN, Ogden, IL, Blissfield, MI, and Napolean, OH was used for quality evaluation in the various years.

Average check equals the mean performance of selected check cultivars with known levels of performance for the various quality characteristics. Cultivars used as checks include Caldwell, 2550, 2551, 2548, and 2555.

Methods: Milling - Brabender Quadromat Sr. mill.
Protein - Dickey-john GACIII NIR analyzer.
PSI - AB grinder, sieve shaker.
AWRC - micro method on milled flour.
Cookie diameter - Total diameter of two cookies.

^{*, **} Significantly different than 2510 at the 5% and 1% levels respectively. Individual t-tests were calculated comparing the difference between 2510 and the selected cultivars. Significance depends on the range of the differences.

14E. Exhibit E. Statement of the Basis of Applicant's Ownership

Pioneer Hi-bred International, Inc., Plant Breeding
Division, believes it is the sole, original, and first breeder of
2510 cultivar of soft red winter wheat for which it solicits a
certification of protection.